

IN THE CLAIMS

Claims 1-34 (canceled)

35. (currently amended) A hip joint prosthesis comprising an inner sliding cup comprising a ceramic material; a plastic covering which receives the inner sliding cup; and an outer metal cup wherin the sliding cup has depressions on an outside thereof, wherein the depressions have a notch radius greater than 0.5 mm at a notch base thereof, and wherin the plastic covering has corresponding raised structures that are received by said depressions.

36. (previously presented) A hip joint prosthesis according to claim 35, wherein the depressions undulate in section.

37. (previously presented) A hip joint prosthesis according to claim 36, wherein the depressions are circumferentially arranged on the outside of the sliding cup.

38. (previously presented) A hip joint prosthesis according to claim 35, wherin the depressions are semicircular.

39. (previously presented) A hip joint prosthesis according to claim 35, wherein the sliding cup has on its outside a spherical or stepped structural form.

40. (previously presented) A hip joint prosthesis according to claim 35, wherein the plastic covering embraces the sliding cup at its end.

41. (previously presented) A hip joint prosthesis according to claim 40, wherein the plastic covering has a collar that rests on the upper side of the sliding cup and covers almost half of upper edge thereof.

42. (previously presented) A hip joint prosthesis according to claim 35, wherein the sliding cup is pressably connected to the plastic covering.

43. (previously presented) A hip joint prosthesis according to claim 35, wherein the inner form of the sliding cup is arranged eccentrically in relation to the outer form of the sliding cup.

44. (previously presented) A hip joint prosthesis according to claim 43, whercin the variation with respect to the coaxiality is at least 0.001mm.

45. (currently amended) A hip joint prosthesis comprising an inner sliding cup made of a ceramic material and having an outer surface; and

another plastic covering surrounding the outer surface of the inner sliding cup;

whercin the outer surface of the sliding cup has structuring thereon thereon, wherein the structuring ~~has notch radii in a notch base, and wherein the notch radius at the notch base is greater than 0.5 mm.~~